

CENTRE:

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TIME: 09.00 a.m. 1.00 p.m.

DATE:

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Test Booklet No.

EXAM SEAT NO. :

3	6	1	9	0	0				
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EXAM SEAT NO. (in words)

three	six	one	nine	zero	zero				
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NATIONAL TALENT SEARCH EXAMINATION 2019 (STD. X)

Instructions to the Candidates:

- 1) PART I Mental Ability Test Time 120 Minutes Maximum Marks 100
 PART II Scholastic Aptitude Test Time 120 Minutes Maximum Marks 100
- 2) Write your Seat No. both in figures and in words on this Question Booklet (above) as Well as on the Answer Sheet supplied to you.
- 3) Each question carries one Mark.
- 4) All questions are compulsory.
- 5) You have to mark your answers on Answer sheet provided with the Question Booklet. Each question is provided with four alternatives. Answer to each question is to be indicated by **encircling** the number of the correct alternative in the Answer sheet from amongst those given against the corresponding question in the Question Booklet.
- 6) The answer sheet have two parts:
 PART-I Mental Ability Test, PART II Scholastic Aptitude Test. Answers to questions of MAT (PART-I) are to be indicated in PART I Portion of the Answer Sheet. Answers to questions of SAT (PART-II) are to be indicated in PART-II portion of the Answer Sheet.
- 7) Rough work can be done any where in the question booklet.

Please Note the Centre Codes:

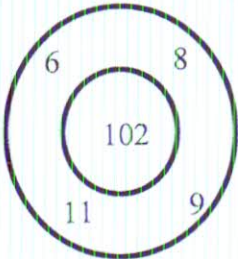
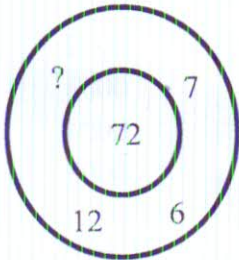
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|-----------------|------|
| 1. Bicholim | 0001 |
| 2. Bardez | 0002 |
| 3. Pernem | 0003 |
| 4. Sattari | 0004 |
| 5. Tiswadi | 0005 |
| 6. Ponda | 0006 |
| 7. Salcete | 0007 |
| 8. Sanguem | 0008 |
| 9. Canacona | 0009 |
| 10. Quepem | 0010 |
| 11. Dharbandora | 0011 |
| 12. Mormugao | 0012 |

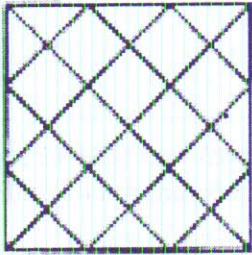
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DIRECTOR
State Council of Educational
Research and Training
Alto-Porvorim-Goa

Mental Ability Test

Std. X

Q. 1	<p>Identify the missing number in the following sequence</p> <p>5, 13, 41, 85, ?, 221, 313</p> <p>(1) 163 (2) 179 (3) 145 (4) 147</p>
Q. 2	<p>If $\frac{56}{31} = 10$ and $\frac{48}{18} = 4$ then $\frac{64}{16} =$ _____</p> <p>(1) 3 (2) 4 (3) 5 (4) 6</p>
Q. 3	<p>If $AR = 36$, $CM = 78$, $GP = 224$, then $ES =$ _____</p> <p>(1) 364 (2) 150 (3) 190 (4) 320</p>
Q. 4	<p>Boy facing east turned left and run 200 metres then turn left and run 200 metres and take turn 45° towards right and went straight to cover 350 metres. Now boy is in which direction from starting point?</p> <p>(1) North-East (2) North-West (3) South-East (4) South-West</p>
Q. 5	<p>In a basket the number of apples is five times the oranges and the number of bananas is six times the oranges. Which of the following can be the number of total fruits in the box ?</p> <p>(1) 156 (2) 200 (3) 140 (4) 136</p>
Q. 6	<p>Find the missing number in the second figure on the basis of the number arranged in the first figure.</p> <div style="display: flex; justify-content: space-around; align-items: center; margin: 10px 0;"> <div style="text-align: center;">  </div> <div style="text-align: center;">  </div> </div> <p>(1) 10 (2) 46 (3) 12 (4) 36</p>

Q. 7	<p>Rakesh has 6 friends to invite. In how many ways can he send invitation cards to them, if he has three servants to carry the cards?</p> <p>(1) 156 (2) 243 (3) 18 (4) 729</p>
Q. 8	<p>Find the number of triangles in the figure.</p> <div style="text-align: center;">  </div> <p>(1) 28 (2) 32 (3) 36 (4) 40</p>
Q. 9	<p>How many lines of symmetry does a hendecagon have?</p> <p>(1) 13 (2) 7 (3) 9 (4) 11</p>
Q. 10	<p>A candidate attempted 12 questions and secured full marks in all of them. If he obtained 60% in the test and all questions carried equal marks, then what is the number of questions in the test?</p> <p>(1) 20 (2) 25 (3) 36 (4) 42</p>
<p>Directions:- (Q. No.:- 11-14)</p> <p>In each of the following questions there are some blanks given. Choose from the options the set of letters that best completes the given series</p>	
Q. 11	<p>a _ c b c a _ a b _ b c _ c a c a b a b c</p> <p>(1) cbab (2) bcab (3) baba (4) ccca</p>
Q. 12	<p>_ 9 9 5 _ 9 _ 9 5 _ 5</p> <p>(1) 9595 (2) 5559 (3) 9995 (4) 5959</p>


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